

**M 5.7, 37 km ENE of Hinatuan, Philippines**

Origin Time: 2023-12-03 10:39:23 UTC (Sun 18:39:23 local)  
Location: 8.5597° N 126.6174° E Depth: 45.3 km

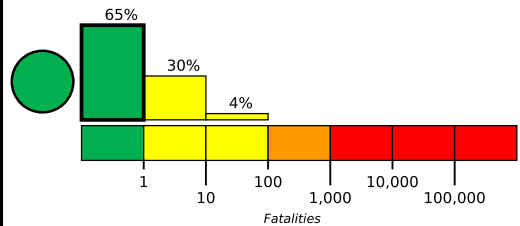
**PAGER  
Version 1**

Created: 2 weeks, 5 days after earthquake

**Estimated Fatalities**

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

**Estimated Economic Losses**

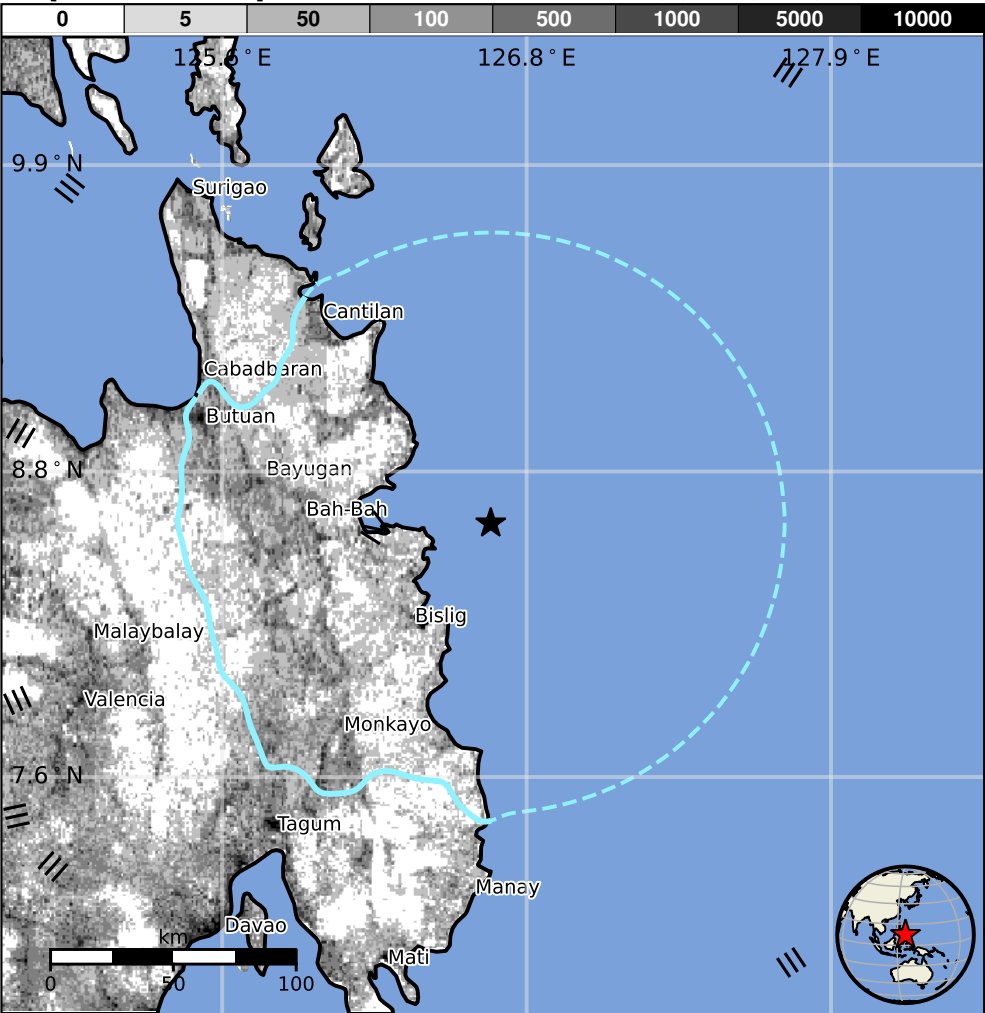


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	8,048k*	2,683k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

**Population Exposure**



**Structures**

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

**Historical Earthquakes**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-15	381	4.8	VI(34k)	1
1987-05-23	138	5.7	VII(70k)	1
2002-03-05	387	7.5	VIII(12k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
IV	Hinatuan	10k
IV	Tidman	3k
IV	Bigaan	3k
IV	Unidad	3k
IV	Marihatag	4k
IV	Salvacion	2k
IV	<b>Butuan</b>	<b>310k</b>
IV	Libertad	250k
III	Magugpo	233k
III	<b>Davao</b>	<b>1,213k</b>
III	<b>Mati</b>	<b>106k</b>

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000lhdb#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000lhdb